

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/011048

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M5/178 G21F5/018

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M G21F

Documentation searched other than minimum documentation to the extent that such documents are included in the file(s) searched.

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal. WPI Data. PA1

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 162 198 A (COFFEY JACK L ET AL)	1-7
	19 December 2000 (2000-12-19)	
Y	figures 1-6	12
Y	---	
Y	US 5 156 599 A (RANFORD ALAN B ET AL)	12
	20 October 1992 (1992-10-20)	
A	cited in the application	
	figures 1-6	1-7
A	---	
A	US 4 307 713 A (GALKIN BENJAMIN M ET AL)	2
	29 December 1981 (1981-12-29)	
	column 7, line 51 -column 8, line 17;	
A	figure 4	

	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex

◦ Special categories of cited documents ◦

- A** document defining the general state of the art which is not considered to be of particular relevance
- E** earlier document but published on or after the international filing date
- L** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O** document referring to an oral disclosure, use, exhibition or other means
- P** document published prior to the international filing date but later than the priority date claimed

- T** later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- &** document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the international search report

25 August 2004

07/09/2004

Name and mailing address of the ISA

Authorized officer

Björklund, A

INTERNATIONAL SEARCH REPORTInternational Application No
PCT/US2004/011048

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	BIODEX MEDICAL SYSTEMS: "Pro-Tec V Syringe Shield" AVAILABLE FROM THE INTERNET, XP002293712 < http://www.biomed.com/radio/syringes/syringes_737.htm > 17 February 2004 the whole document -----	1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/011048

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 8-11 because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery. Claims 8 and 10 both comprise the step of administering a radiopharmaceutical to a patient (with a syringe). Hence claims 8 and 10 refer to a surgical method.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/011048

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6162198	A	19-12-2000	NONE		
US 5156599	A	20-10-1992	US 5053018 A	01-10-1991	
			AT 94076 T	15-09-1993	
			AT 136797 T	15-05-1996	
			AU 641863 B2	30-09-1993	
			AU 1605592 A	09-07-1992	
			AU 621127 B2	05-03-1992	
			AU 3706589 A	04-01-1990	
			CA 1324937 C	07-12-1993	
			DE 68908975 D1	14-10-1993	
			DE 68908975 T2	31-03-1994	
			DE 68926312 D1	23-05-1996	
			DE 68926312 T2	19-09-1996	
			DK 315489 A	29-12-1989	
			EP 0350186 A1	10-01-1990	
			EP 0506204 A2	30-09-1992	
			ES 2045439 T3	16-01-1994	
			ES 2085550 T3	01-06-1996	
			JP 2104369 A	17-04-1990	
			JP 2916779 B2	05-07-1999	
			SG 27294 G	10-06-1994	
			US 5169392 A	08-12-1992	
			US 5312370 A	17-05-1994	
			US 5403287 A	04-04-1995	
			US 5522812 A	04-06-1996	
			US 5088988 A	18-02-1992	
			US 5147326 A	15-09-1992	
			US 5127910 A	07-07-1992	
			US 5160326 A	03-11-1992	
			US 5217437 A	08-06-1993	
US 4307713	A	29-12-1981	US 4393864 A	19-07-1983	
			US 4401108 A	30-08-1983	